BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Subsidiary Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Foundation Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Extended Diploma in Construction and the Built Environment Pearson BTEC International Level 3 Diploma in Civil Engineering Pearson BTEC International Level 3 Extended Diploma in Civil Engineering Pearson BTEC International Level 3 Diploma in Building Services Engineering Pearson BTEC International Level 3 Extended Diploma in Building Services Engineering
Unit number and title	**Unit 7: Graphical Detailing**
Learning aim(s) (For NQF only)	**C:** Undertake production of two-dimensional and three-dimensional freehand construction sketches.
Assignment title	
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	As a trainee in a design practice with a medium sized design company, the senior designer has explained to you the importance of being able to produce accurate freehand 2D and 3D sketches to enable clients to visualise the finished product. The designer has asked you to research the different techniques for producing 2D and 3D sketches and practice the different techniques. Once you are competent with the different techniques the designer has requested you to produce a portfolio of high-quality, freehand sketches of the interior and exterior of the two-storey building.

Task 1	You have been asked by the senior designer to produce a portfolio of high-quality, fully annotated 2D and 3D freehand sketches of the interior and exterior of a two-storey building to help the client for the project understand and visualise the internal and external appearance of the building. Note your internal 3D sketches only need to cover one room or area. Client Brief Total Floor Area (140 m2) Ground Floor • Kitchen • Dining Room

	• Living Room • Cloakroom and toilet • (optional sunroom) First Floor • Master Bedroom (1)with en-suite • Double Bedroom (2) • Double Bedroom (3) • Single Bedroom (4)/Study • Bathroom with Hot Press • Circulation space as required. **To do this:** Using the client brief for a two-storey building. • Research the different manual techniques for accurately sketching 2D and 3D drawings of buildings. • Practice and become competent in the range of manual sketching techniques. • Investigate the information required on a sketch to ensure it is full annotated and detailed in terms of location of doors and windows and detailing materials and finishes. **You then need to:** Use your research on techniques for 2D and 3D sketching, your knowledge of the information required for detailed annotation and skills learned practicing the different techniques to produce a portfolio of high-quality, fully annotated 2D and 3D freehand sketches of internal and external views for a two-storey building.
Checklist of evidence required	Evidence must include: A portfolio of high-quality, fully annotated 2D and 3D freehand sketches of internal and external views for a two-storey building. Detailed notes and annotations on the sketches on the materials and finishes used. Identification of elements such as doors, windows, features and finishes. Tutor observation records will be required to support evidence of practical and skills based activities recorded in your portfolio.

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
7/C.D3	Produce high-quality, fully annotated 2D and 3D freehand sketches for the interior and exterior of a building with accurate convergence to vanishing points.
7/C.M3	Produce good-quality, annotated 2D and 3D freehand sketches for the

	interior and exterior of a building with convergence to vanishing points.
7/C.P5	Produce annotated 2D and 3D freehand sketches, using appropriate conventions, for the interior of a building.
7/C.P6	Produce good-quality construction drawings for a two-storey building drawn accurately to an appropriate scale, containing appropriate technical information following BS 1192:2007 standards.
Sources of information to support you with this Assignment	**Textbooks** Dernie, D. "Architectural Drawing" 2nd Edition 2014 Published by Laurence King Publising ISBN 978 1 78067 170 3 Bello, S. "Technical Drawing Presentation and Practice". Published by Dominion Publishing Services ISBN-13: 978-1481250122 Ching, F "Architectural Graphics" 6th Edition Published by Wiley ISBN- 978-1-119-03566-4 **Websites** www.bre.com Building Research Establishment Limited www.ciat.org.uk Chartered Institute of Architectural Technologists www.ciob.org.uk Chartered Institute of Building **Above are examples of websites. Further useful resources may be found at** qualifications.pearson.com/en/support/published-resources.html
Other assessment materials attached to this Assignment Brief	*N/A*